

# DS series



## 120kW DC Fast Charger


### Features

- Simultaneous charging available. Advanced EVSE with dual charging output at the same time and max. output power in one plug.
- PF > 0.99 (APFC)
- Efficiency > 94%
- OCPP1.6 JSON
- 7 inches LCD screen with user-friendly interface
- Ethernet/4G, optional Wi-Fi connection to back-end system
- IK10, IP55
- Customization available
- Easy installation and maintenance

### Applications

- Highway gas/service station
- Parking garage
- Commercial fleet operators
- EV infrastructure operators and service providers
- EV dealer workshops



DS Series			
Model Name		CE, DS 120 Series	UL, DS 120 Series
Picture			
Power Specification			
AC Input	Input Rating	3Φ_380~415Vac (±15%)	3Φ_480Vac (+10%, -15%)
	AC Input Connection	3P+N+PE (Wye configuration), TN/TT/IT	3P+N+PE (Wye configuration), TN/TT
	Max. Input Current	DC System:3Φ220A(Typ.±1%) AC module(43kW):3Φ63A(±1%) or AC module(22kW):3Φ32A(±1%)	DC System:3Φ180A(Typ.±1%) AC module(19.2kW):1Φ80A(±1%)
	Frequency	50Hz/60Hz	
	Power Factor	>0.99 @ full load	
	Efficiency	≥94%	
DC Output	Output Voltage Range	CCS2/GBT:150~950Vdc CHAdeMO:150~500Vdc AC(CE):3Φ_380~415Vac (±15%)	CCS1/GBT:150~950Vdc CHAdeMO:150~500Vdc AC(UL):1Φ_240Vac (+10%, -15%)
	Max. Output Current	CCS2/GBT:126A@950Vdc CCS2/GBT:200A@600Vdc CHAdeMO:120A@500Vdc AC(CE 43kW):3Φ63A@230Vac or AC(CE 22kW):3Φ32A@230Vac	CCS1/GBT:126A@950Vdc CCS1/GBT:200A@600Vdc CHAdeMO:120A@500Vdc AC(UL 19.2kW):1Φ80A@240Vac
	Max. Output Power	DC System:120kW AC module:Three Phase 43kW or 22kW	DC System:120kW AC module:Single Phase 19.2kW
	Voltage Accuracy	±1%	
	Current Accuracy	±1%	
User Interface & Control			
Display		7" TFT-LCD	
Push Buttons		Operation button/Emergency stop button	
User Authentication		RFID ISO14443A (M1/MIFARE Card)	
Communication			
External		Ethernet/4G, optional Wi-Fi	
Internal		CAN bus/RS485	
Environmental			
Operating Temperature		-30°C~50°C	
Humidity		5%~95% RH, non-condensing	
Altitude		≤ 2000m	
IP Level		IP55/IK10 (not including screen and RFID module)	
Cooling method		Fan cooling	
Mechanical			
Dimension(W x D x H)		1070 x 650 x 1900mm ±1%	
Weight		≤ 430kg ±1%	
Cable Length		Dual DC Plug CCS2 Combo and GB/T(4m), + AC Socket or Plug(4m)	Dual DC Plug CCS1 Combo and GB/T(4m), + AC Plug of J1772(4m)
Protection			
Input Protection		OVP, OCP, OPP, OTP, UVP, RCD, SPD	
Output Protection		OCP, OVP, UVP, OTP, IMD	
Regulation			
Certificate		IEC 61851-1, IEC 61851-23, IEC 61851-21-2	UL 2202, UL 2231-1/-2
Safety		CE, cTUVus	
Charging Interface		CHAdeMO V1.2, ISO15118, DIN 70121, GB/T 20234.3-2015	